

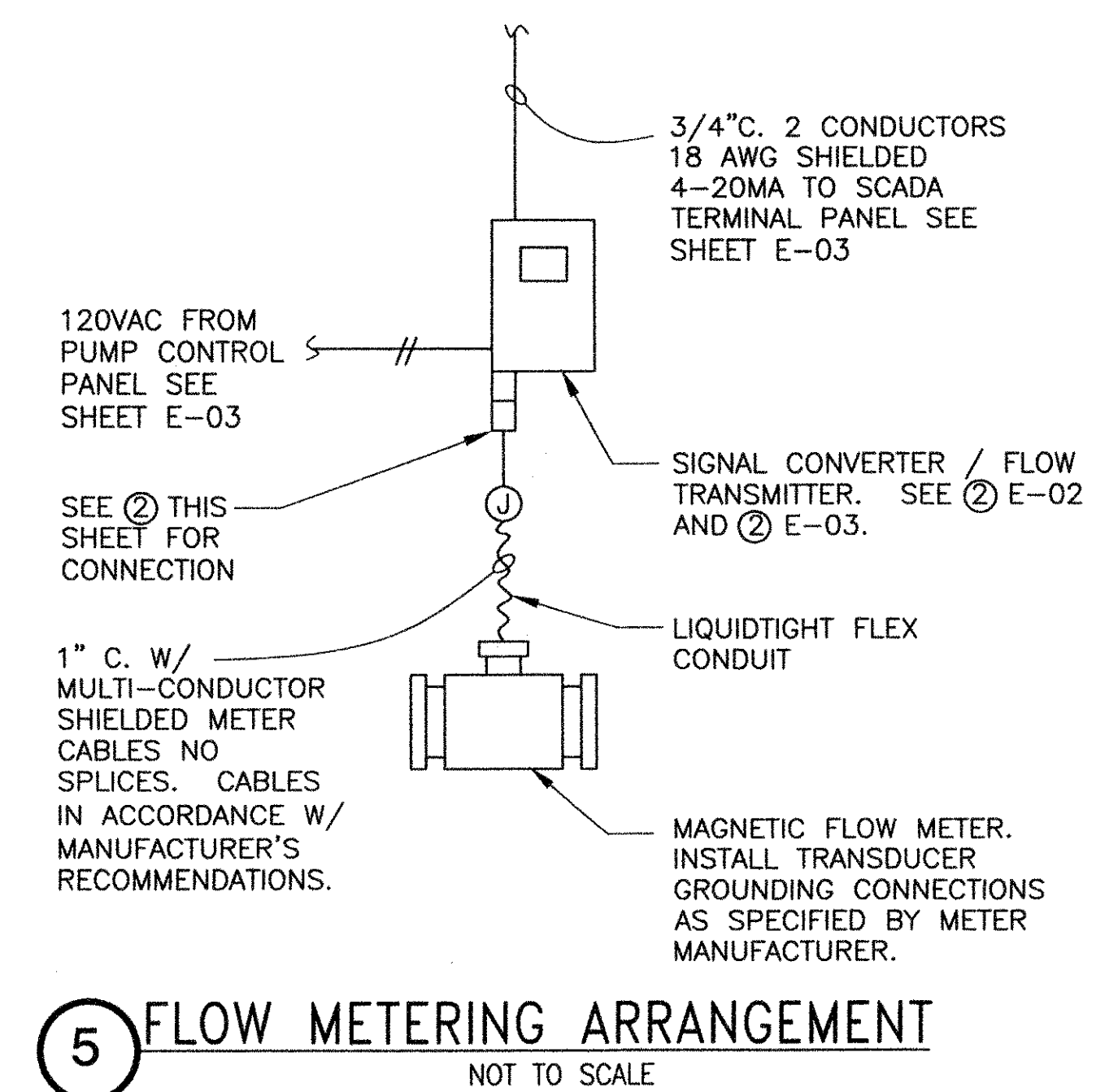
No.	DATE	BY	Description

REVISIONS			
DRAWN BY	YR		
APPROVED BY	DB		
CHECKED BY	DB		
DATE	4/7/09		

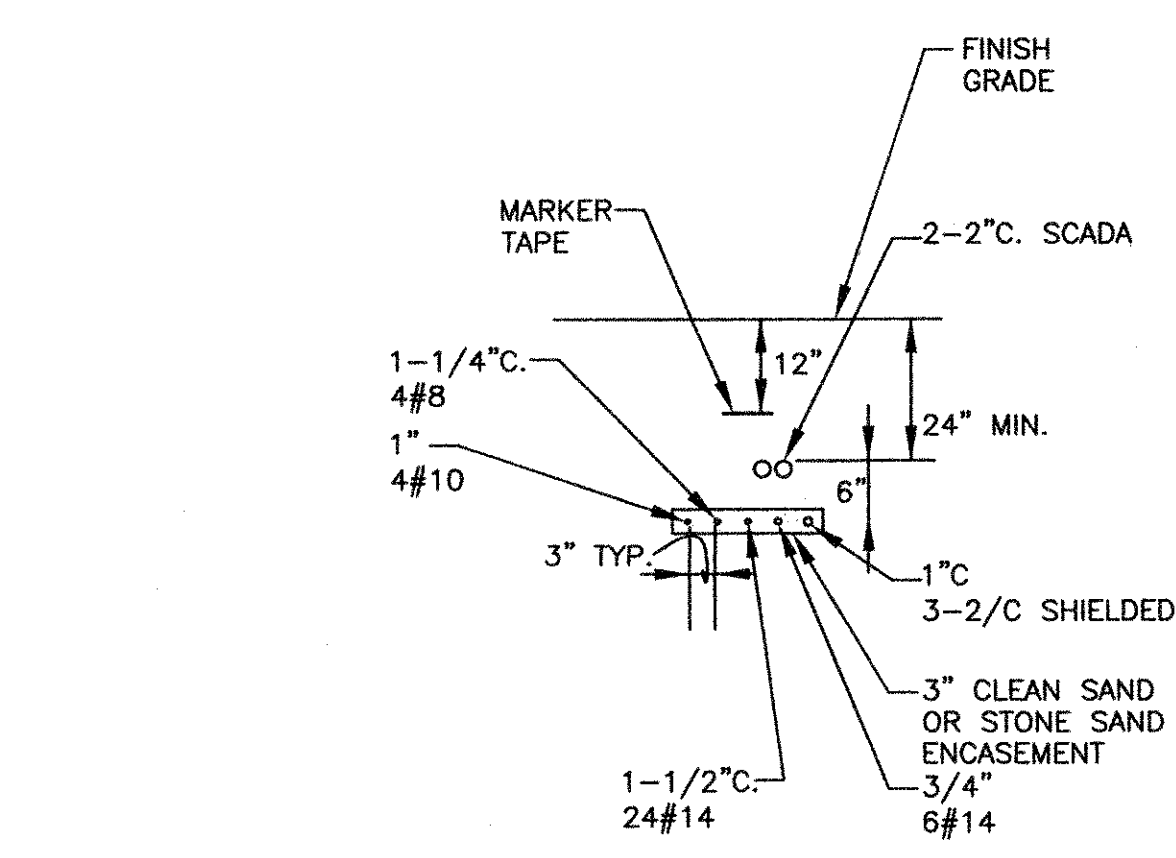
ELECTRICAL  
DETAILS

PROJECT NO. 50006147

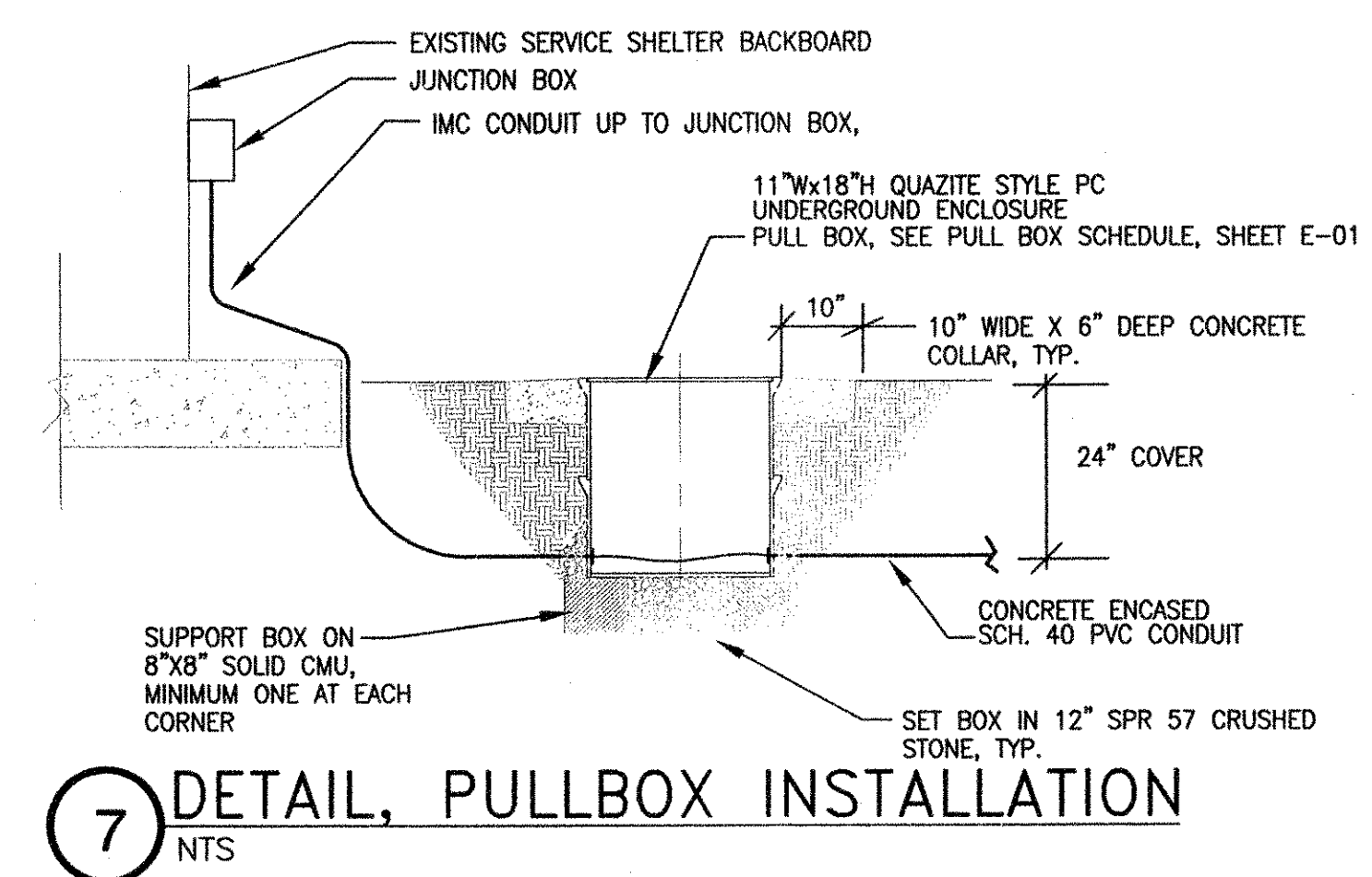
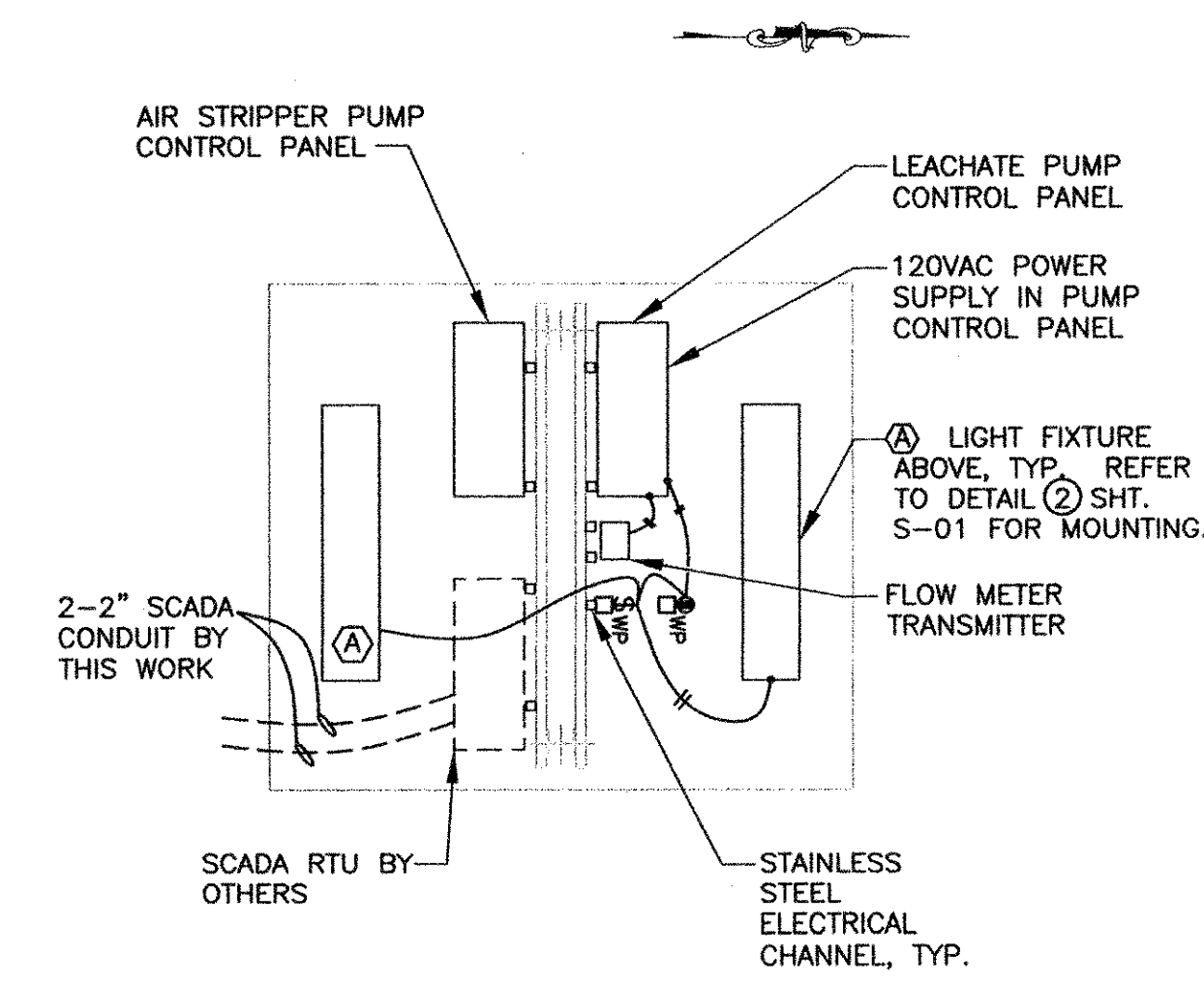
E-04



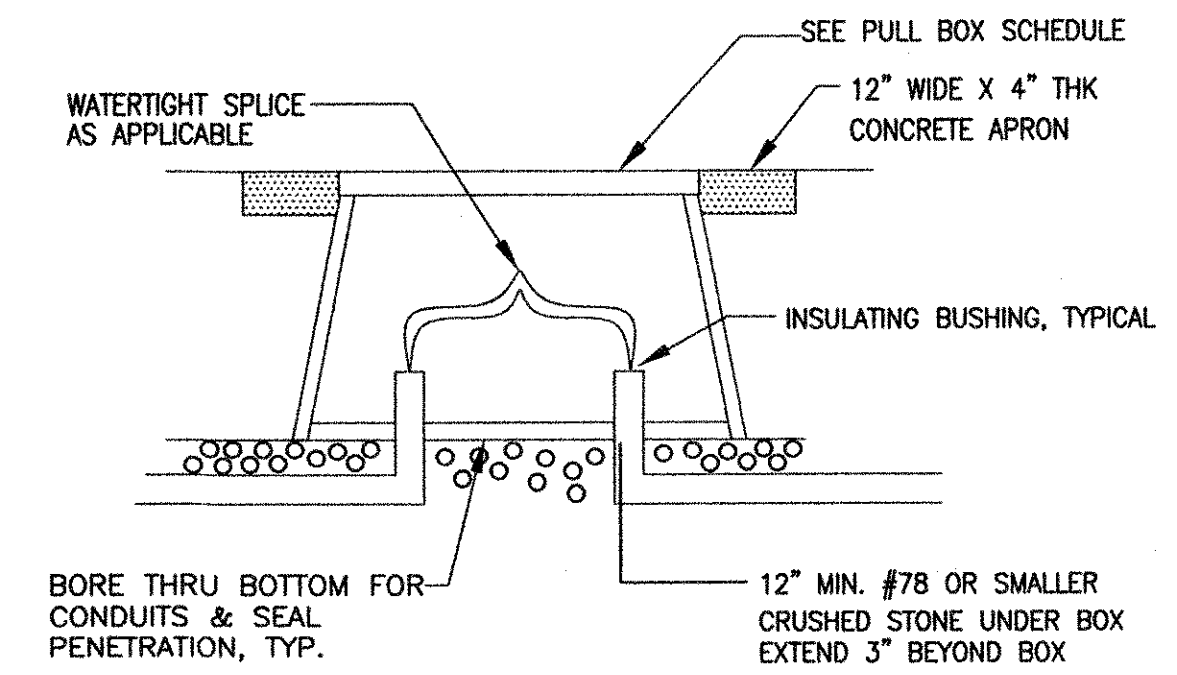
6 DUCT SECTION  
NTS



4 ELEC. PLAN: PUMP CONTROL PANEL SHELTER  
SCALE: 3/8\"/>



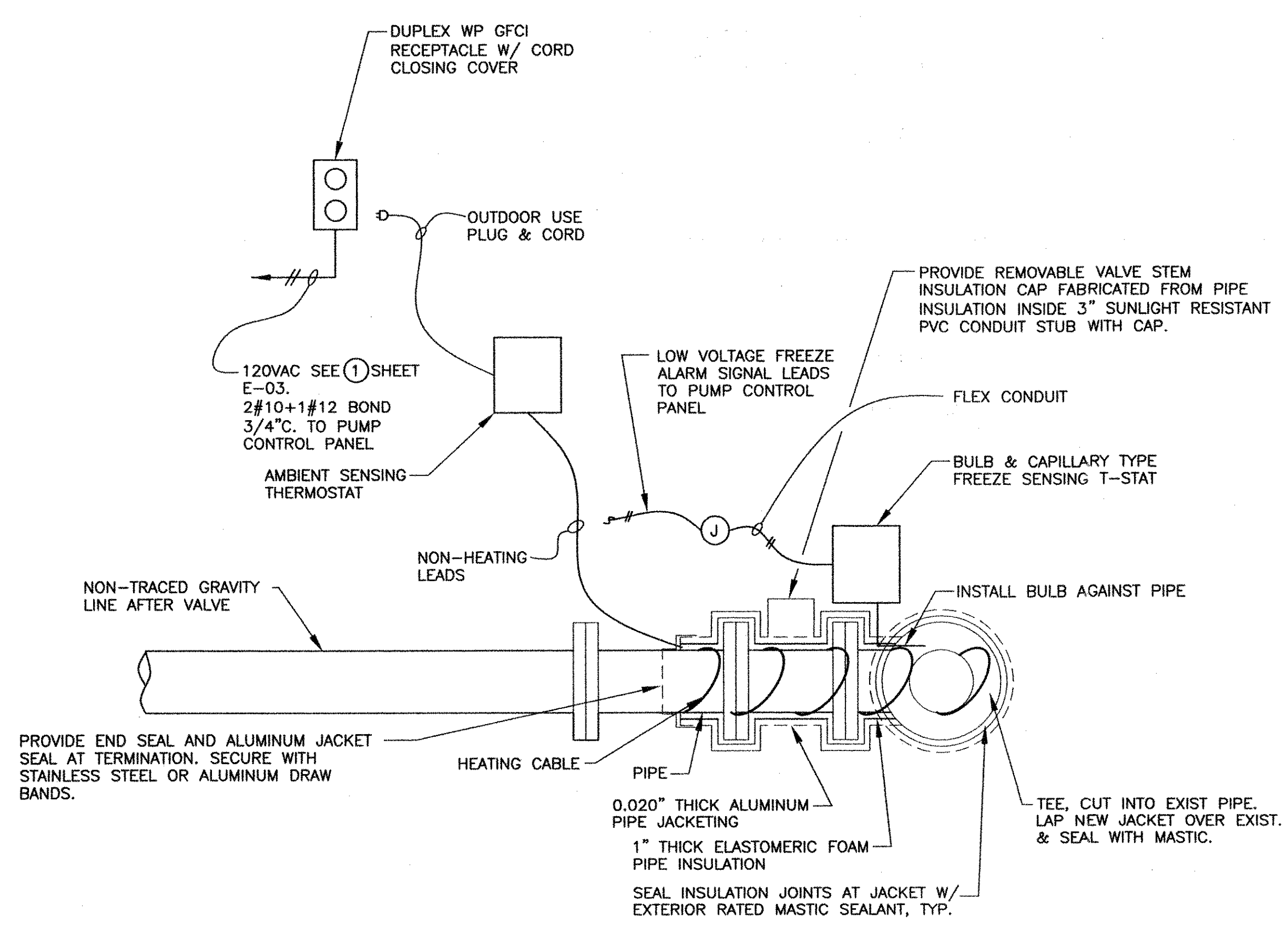
7 DETAIL, PULLBOX INSTALLATION  
NTS



2 DETAIL, PUMP JUNCTION BOX  
NOT TO SCALE

NOTES:

1. IN THE JUNCTION BOX FOR THE PUMP POWER, SPLICE THE SUBMERSIBLE CABLE FOR EACH PUMP TO BLDG. WIRE. 3 #12 POWER CONDUCTORS PLUS A #12 BOND CONDUCTOR.
2. IN THE JUNCTION BOX FOR THE TRANSDUCER EXTEND THE TRANSDUCER CABLE FROM THE PUMP CONTROLLER TO THE TRANSDUCER.



3 DETAIL, PIPE HEAT TRACING  
NOT TO SCALE

NOTE: REFER TO SPECIFICATIONS FOR INFORMATION ON HEAT TRACING.

LOAD ANALYSIS EXISTING 120/208V PANEL	
EXISTING CAPACITY	100A@100% DEMAND
REMOVE 7.5 HP T1 TANK PUMP 208/3	(24.2 FLA)
ADD 2HP T1 TANK PUMP(*)	(7.5 FLA)
ADD CIRCUIT 22	1.04 FLA HEATE TRACE
	0.83 FLA CABINET HEAT
TOTAL CKT 22	1.73A x 1.25 = 2.16A
TOTAL CHANGE	14.54A REDUCTION

LOAD ANALYSIS 277/480 PANEL AND SERVICE	
LARGEST MOTOR OCP	100A
TREATED LEACHATE PUMPS	2x7.6 FLA
x1A CONTROLS	=16.2A
30 KVA TRANSFORMER	36 FLA x 1.25 = 45A
NEW TREATED LEACHATE PUMP STATION	1 KVA CONTROL
	2.1A x 1.25 = 2.6A
2 3HP PUMPS @ 4.2 FLA	=8.4A
TOTAL	=17.2A
LESS THAN 200A EXISTING SERVICE	

(\*) NEW AIR STRIPPER PUMP STATION IS INTERLOCKED SO THAT ONLY THE ACTIVE AIR STRIPPER PUMP OR THE T-1 PUMP CAN RUN, NOT BOTH.

AUTODIALER ADDED INPUTS  
EXISTING ANTIX DIALOG ELITE  
DIGITAL INPUTS  
LEACHATE PUMP STATION  
1.-PUMP 1 FAIL  
2.-HIGH WET WELL  
3.-LOW PIPE TEMPERATURE  
AIR STRIPPER PUMP STATION  
1.-PUMP 1 FAIL  
2.-HIGH WET WELL